IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

n re Pa	itent A	pplica	ition of:	·		
Satoshi	MAEK	(AWA	et al.			
Applicat	tion No	o.: Ur	nassigned	Group Art Unit: Unassigned		
Filed: N	March :	2, 200)4	Examiner: Unassigned		
			NAL SEPARATION SYSTEM AND RECORDING MEDIUM T	ND METHOD, BLIND SIGNAL SEPARATION HEREOF		
			INFORMATION DISCLOS	SURE STATEMENT		
PO Box	1450		Patents 13-1450			
Sir:				·		
provided the subj	d certa ject U.	in info S. pat	ormation which the Examiner m	rovisions of 37 CFR § 1.56, there is hereby ay consider material to the examination of that the Examiner make this information of f the subject application.		
	1.	Encl	osures accompanying this Infor	mation Disclosure Statement are:		
		$\overline{\boxtimes}$	application or a PCT Internation English language translation (of each non-English language put	complete or relevant portion(s)) attached to		
2	🗆			a concise explanation of what is presently each non-English language publication is		
	2a.		enclosed "English-language ve indicates the degree of relevar 609, Minimum Requirements f	s 2a, 2b, 2c and/or 2d) sh language publications were cited on the ersion of the search report or action which nce found by the foreign office". (See MPEP or an Information Disclosure Statement, Part Relevance, pp. 600-100 to 600-101, Rev. 1,		
	2b.		set forth in the application.			

	2c.		sh language translation (complete or relevant ach non-English language publication. (e), hereto.
3.	to be, m (other th	aterial to patentability nor a an search report(s) from a	mation cited in this Statement is, or is considered representation that a search has been made counterpart foreign application or a PCT hitted herewith). 37 CFR §§ 1.97(g) and (h).
			Respectfully submitted,
			STAAS & HALSEY LLP
Dated: N	March 2, 2	004	By: David M. Vitela
1201 Nev	v York Av	e., N.W., Suite 700	David M. Pitcher
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racsimile	e: (202) 43	4-1301	

ATTACHMENT 1(e)

EXPLANATIONS OF RELEVANCY OF REFERENCES

	ATTORNEY DOCKET NO.	APPLICATION NO.
	1640.1022	Unassigned
-	51007.111.150.111.150.111.150	
	FIRST NAMED INVENTOR	
	Satoshi MAEKAWA et al.	
	FILING DATE	GROUP ART UNIT
	March 2, 2004	Unassigned
	•	_

Reference AM - Reference AM is cited and/or discussed in the application specification, such as at pages 1-2.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.	APPLICATION NO.
1640.1022	Unassigned
FIRST NAMED INVENTOR	
Satoshi MAEKAWA et al.	

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

Satosiii Walitawa et al.					
FILING DATE	GROUP ART UNIT	,			
March 2, 2004	Unassigned				

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	АВ						
	AC						
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS	NO
AG							
АН					:		

OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

Al	L. Q.Zhang et al., "Multichannel Blind Deconvolution of Non-minimum Phase Systems Using Information Backpropagation", SSN 0042-6989, Volume 37, Number 23, December 1997, In Proceeding of 6 th International Conference on Neutral Information Processing (ICONIP'99), pp.210-216, (1999).
AJ	B.A. OLSHAUSEN et al., "Sparse Coding with an Overcomplete Basis Set: A Strategy Employed by VI?", USSN-6989, Vol. 37, No. 23, pp.3311-3325, (1997).
AK	B.A. OLShAUSEN et al., "Emergence of simple-cell receptive field properties by learning a sparse code for natural images", NATURE, Vol. 381, pp. 607-609, (June 1996).
AL	B.A. OLSHAUSEN et al., "Natural image statistics and efficient coding", Network, Vol. 7, pp. 333-339, (1996).
АМ	M.S. LEWICKI et al., "Learning Overcomplete Representations", Neutral Computation, Vol. 12, pp. 337-365, (2000).
AN	T.W. LEE, et al., "Blind Source Separation of More Sources Than Mixtures Using Overcomplete Representations", IEEE SIGNAL PROCESSING LETTERS, Vol. 6, No. 4, April 1999, pp.87-90.
AO	M.S. LEWICKI et al., "Learning nonlinear overcomplete representations for efficient coding", Advance in Neutral and Information Processing Systems 10, pp.556-562, (1997),
	AJ AK AL AM AN

	ΝE	

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.